## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	laser with drill\$4 with displac\$5 near5 (projecti\$2 mound bump protrusion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:22
S2	0	laser with (drill\$4 ablat \$4 etch\$4) with displac \$5 near5 (projecti\$2 mound bump protrusion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:22
S3	483	laser with (drill\$4 ablat \$4 etch\$4) with (displac\$5 form\$6 buildup (build adj up)) near5 (projecti\$2 mound bump protrusion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:23
<b>S</b> 4	0	laser with (drill\$4 ablat \$4 etch\$4) with form \$6 adj3 (displac\$5 buildup (build adj up)) near5 (projecti\$2 mound bump protrusion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:24
S5	0	laser with (drill\$4 ablat \$4 etch\$4) with (displac\$5 buildup (build adj up)) near5 (projecti\$2 mound bump protrusion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:24
S6	178	laser with (drill\$4 ablat \$4 etch\$4) with (forming formation displac\$5 buildup (build adj up)) near5 (projecti\$2 mound bump protrusion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:24

<b>S</b> 7	94	laser with (drill\$4 ablat \$4 etch\$4) with (forming formation displac\$5 buildup (build adj up)) adj3 (projecti\$2 mound bump protrusion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:24
<b>S</b> 8	36	laser with (drill\$4 ablat \$4 etch\$4) with (forming formation displac\$5 buildup (build adj up)) adj3 (projecti\$2 mound bump protrusion) with (depress\$3 hole aperture opening cavit \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:25
S9	153	laser with (drill\$4 ablat \$4 etch\$4) with (buildup (build adj up) projecti\$2 mound bump protrusion) near3 (depress\$3 hole aperture opening cavit \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:29
S10	33	laser with (drill\$4 ablat \$4 etch\$4) with (buildup (build adj up) projecti\$2 mound bump protrusion) near3 (depress\$3 hole aperture opening cavit \$4) and (buildup (build adj up) projecti \$2 mound bump protrusion) near3 (perimeter adjacent side edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:30
S11	41	(tig laser) with (melt \$4 weld\$4) with (buildup (build adj up) projecti\$2 mound bump protrusion) near3 (depress\$3 hole aperture opening cavit \$4) and (buildup (build adj up) projecti \$2 mound bump protrusion) near3 (perimeter adjacent side edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:32

S12	15	(tig laser) with textur \$5 near3 (buildup (build adj up) projecti \$2 mound bump protrusion) with (depress\$3 hole aperture opening cavit \$4) and (buildup (build adj up) projecti \$2 mound bump protrusion) near3 (perimeter adjacent side edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:34
S13	0	(tig laser) with lip near3 (textur\$5 buildup (build adj up) projecti\$2 mound bump protrusion) with (depress\$3 hole aperture opening cavit \$4) and (buildup (build adj up) projecti \$2 mound bump protrusion) near3 (perimeter adjacent side edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:36
S14	9	(tig laser) with (textur \$5 buildup (build adj up) projecti\$2 mound bump protrusion) with (depress\$3 hole aperture opening cavit \$4) and lip near3 (buildup (build adj up) projecti\$2 mound bump protrusion) near3 (perimeter adjacent side edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:36
S15	8	(tig laser) with bump with lip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:38
S16	3	(tig laser) with kerf\$3 with lip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:38

S17	2	(tig laser flame torch) with melt\$3 with kerf \$3 with lip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:39
S18	0	(tig laser flame torch) with melt\$3 with drop \$4 with lip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:39
S19	0	(tig laser flame torch) with (melt\$3 pool) with drop\$4 with lip	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:40
S20	1	(tig laser flame torch) with (melt\$3 pool) with (aperture depression hole) with (lip rais\$3 project\$4 protru\$5) near3 (edge perimeter adjacent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/04 13:41
S21	4	(("4861407") or ("6919162") or ("4850089") or ("6176959")).PN.	USPAT; USOCR	OR	OFF	2009/10/04 13:45
S22	2	"20060163222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 13:37
S23	1606	laser with (roughen\$4 texturiz\$6) near3 surface	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 13:42
S24	84	laser with (roughen\$4 texturiz\$6) near3 surface and (buildup (build adj up) projecti \$2 mound bump protrusion) near3 (perimeter adjacent side edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 13:44

S25	30	laser near5 (roughen \$4 texturiz\$6) near3 surface and (buildup (build adj up) projecti \$2 mound bump protrusion) near3 (perimeter adjacent side edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 13:44
S26	104	laser near5 (roughen \$4 texturiz\$6 textur \$4) near3 surface and (buildup (build adj up) projecti\$2 mound bump protrusion) near3 (perimeter adjacent side edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 13:46
S27	104	laser near5 (roughen \$4 texturiz\$6 texturing textured texture) near3 surface and (buildup (build adj up) projecti\$2 mound bump protrusion) near3 (perimeter adjacent side edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 13:47
S28	6	laser near5 (roughen \$4 texturiz\$6 texturing textured texture) near3 surface and (buildup (build adj up) projecti\$2 mound bump protrusion) near3 (perimeter adjacent side edge) and laser with (roughen\$4 texturiz\$6 texturing textured texture) with (repeat \$5 numerous)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 13:48

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